



Commonwealth of Virginia
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE
4949-A Cox Road, Glen Allen, Virginia 23060
(804) 527-5020 FAX (804) 698-4178
www.deq.virginia.gov

Andrew R. Wheeler
Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director
(804) 698-4000

James Golden
Regional Director

DRAFT

Mr. Wade Flint
GM, Virginia Operations
Potomac Supply LLC
1398 Kinsale Rd.
Kinsale, VA 22488

Location: Westmoreland County
Registration No.: 40371

Dear Mr. Flint:

Attached is a permit to construct and operate a project at a lumber processing facility in accordance with the provisions of the Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. This permit supersedes your permit dated March 6, 2019.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on November 17, 2021 and solicited written public comments by placing a newspaper advertisement in the Westmoreland News on January 26, 2022. A public hearing was held on February 28, 2022. The required comment period, provided by 9 VAC 5-80-1170 D expired on March 15, 2022.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

This permit approval to construct and operate shall not relieve Potomac Supply LLC of the responsibility to comply with all other local, state, and federal permit regulations.

The lumber kilns located at this facility may be subject to 40 CFR 63, Maximum Achievable Control Technology (MACT), Subpart DDDD. The emergency generators and fire pump located at this facility may be subject to 40 CFR 63, MACT Subpart ZZZZ. Virginia has accepted delegation of these rules for major sources. In summary, the units may be required to comply with certain federal emission standards and operating limitations. The Department of Environmental Quality (DEQ) advises you to review the referenced MACT to ensure compliance with applicable emission and operational limitations. As the

owner/operator you are responsible for any monitoring, notification, reporting and recordkeeping requirements of the MACT. Notifications shall be sent to both EPA, Region III and Virginia DEQ.

To review any federal rules referenced in the above paragraph or in the attached permit, the US Government Publishing Office maintains the text of these rules at www.ecfr.gov, Title 40, Parts 60 and 63.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact the regional office at (804) 527-5020.

Sincerely,

Kyle Ivar Winter, P.E.
Deputy Regional Director

KIW/AMS/40371_15_2021 state major DRAFT.docx

Attachments: Permit

cc: Air Compliance Inspector, DEQ PRO.



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Regional Director

STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE

This permit supersedes your permit dated March 6, 2019.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Potomac Supply LLC
1398 Kinsale Road
Kinsale, VA 22488
Registration No.: 40371

is authorized to construct and operate

a lumber processing plant

located at

1398 Kinsale Road, Kinsale, VA

in accordance with the Conditions of this permit.

Approved on **TBD**.

Kyle Ivar Winter, P.E.
Deputy Regional Director, Department of Environmental Quality

Permit consists of 15 pages.
Permit Conditions 1 to 42.

INTRODUCTION

This permit approval is based on the permit applications dated August 13, 2008; April 17, 2009; January 19, 2010; December 19, 2018; and September 30, 2021; including amendment information dated December 9, 2010 and March 31, 2014; and supplemental information dated October 22, 2008 and December 2, 2008. Any changes in the permit application specifications or any existing facilities that alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action. In addition, this facility may be subject to additional applicable requirements not listed in this permit.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-10-10 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses () after each condition.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will be either in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

Equipment List - Equipment at this facility covered by this permit consists of:

Equipment to be included in the project:

Reference No.	Equipment Description	Rated Capacity	Delegated Federal Requirements
DK-4	220-ft Drying Kiln (2022) fired with bark/sawdust	38 mmBtu/hr (16,553 bd-ft/hr drying capacity)	None

Other Permitted Equipment:

Reference No.	Equipment Description	Rated Capacity	Federal Requirements
PM-1	Pellet Hammer Mill	20 dry tons/hr	None
PM-2	Hammer Mill (or Tub Grinder)	20 dry tons/hr	None
PM-3	Pellet Hammer Mill	20 dry tons/hr	None
SB-1	Spray booth (1992)	3.5 gallons/hr	None
DK-2	68-ft Drying Kiln (1997) fired with wood or propane	15.0 mmBtu/hr	None
DK-3	68-ft Drying Kiln (2006) fired with wood or propane	25.0 mmBtu/hr (10,845 bd-ft/hr drying capacity)	None

Reference No.	Equipment Description	Rated Capacity	Federal Requirements
W-2	Sawing/Lower Chipper – round to square (pre-1972)	371.2 tons/hr	None
W-3	Planing (1973)	140.7 tons/hr	None

Specifications included in the above tables are for informational purposes only and do not form enforceable terms or conditions of the permit.

PROCESS REQUIREMENTS

1. **Emission Controls** – Particulate matter emissions from the chipping and planing operations (W-2 Lower Chipper and W-3 Planing) shall be controlled by cyclones. The cyclones shall be provided with adequate access for inspection and shall be in operation when the sawing and planing equipment is operating.
(9 VAC 5-80-1180)
2. **Emission Controls** – The maximum volatile organic compound content of the purchased paint used in the painting operations (SB-1) is limited to 0.9 lb VOC/gal or less.
(9 VAC 5-80-1180)
3. **Emission Controls** – Particulate Matter emissions from the painting operations (SB-1) shall be controlled by panel filters. The panel filters shall be provided with adequate access for inspection and shall be in operation when the spray booth is operating.
(9 VAC 5-80-1180)
4. **Emission Controls** – Particulate matter emissions from the pellet hammer mills (PM-1 and PM-3) and hammer mill/grinder (PM-2) shall be controlled by a closed loop cyclone system. The system shall be provided with adequate access for inspection and shall be in operation when the mills are operating. The permittee shall notify the Piedmont Regional Office of any change in the configuration of the cyclone system.
(9 VAC 5-80-1180 and 9 VAC 5-50-260)
5. **Monitoring** - An annual internal inspection shall be conducted on the closed loop cyclone system (required in Condition 4) by the permittee to insure structural integrity, including the presence of any leaks from the closed loop system.
(9 VAC 5-80-1180 D and 9 VAC 5-50-260)
6. **Emission Controls** – Volatile Organic Compound emissions from the drying kilns (DK-2, DK-3, and DK-4) from drying of lumber shall be controlled by operating the drying kilns in accordance with the manufacturer's recommendations.
(9 VAC 5-80-1180 D and 9 VAC 5-50-260)
7. **Emission Controls** – Nitrogen Oxides, as emitted from the 220-ft kiln (DK-4) burner stack, shall be controlled by the use of an overfire air system and good combustion

practices with a NO_x performance of 0.062 lb/mmBtu. The overfire air system shall be installed and operated in accordance with manufacturer's specifications.

(9 VAC 5-80-1180 and 9 VAC 5-50-260)

8. **Emission Controls** – Particulate Matter emissions, as emitted from the 220-ft kiln (DK-4) burner stack, shall be controlled by an electrostatic precipitator (ESP). The ESP shall be provided with adequate access for inspection and shall be in operation when the kiln is operating.

(9 VAC 5-80-1180 and 9 VAC 5-50-260)

9. **Monitoring Devices** - The ESP shall be equipped with devices to continuously measure the secondary current (direct current amperes) and secondary voltage (direct current volts), by field, across the ESP.

The monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures, which shall include, as a minimum, the manufacturer's written requirements or recommendations. The monitoring device shall be provided with adequate access for inspection and shall be in operation when the ESP is operating.

(9 VAC 5-80-1180)

10. **VOC Work Practice Standards** – At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers that are not connected to a treatment plant, or stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution practices for minimizing emissions.

(9 VAC 5-50-20 F and 9 VAC 5-80-1180)

OPERATING LIMITATIONS

11. **Processing** - The two drying kilns (DK-2 and DK-3) combined shall process no more than 95 million board feet of lumber per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

(9 VAC 5-80-1180)

12. **Processing** – The 220-ft drying kiln (DK-4) shall process no more than 125 million board feet of lumber per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

(9 VAC 5-80-1180)

13. **Processing** – The Lower Chipper (W-2) shall process no more than 924,000 tons of wood chips per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-1180)
14. **Processing** – The planing equipment (W-3) shall process no more than 220 million board feet of lumber per year (242,000 tons @ 2.2 lb/bd-ft) calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-1180)
15. **Throughput** - The quantity of concentrated paint used in the painting operation SB-1 shall not exceed 12,000 gallons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-1180)
16. **Fuel** - The approved fuels for the 68-ft drying kilns (DK-2 and DK-3) are liquefied petroleum gas (LPG) and wood planer shavings (including ACQ treated wood). A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-1180)
17. **Fuel Throughput** - The two drying kilns (DK-2, DK-3) combined shall consume no more than 2,699,454 gallons of propane or no more than 30,875,000 lbs of wood planer shavings per year, calculated monthly as the sum of each consecutive 12-month period.

If a combination of the two fuels is used, then the quantities of propane and wood planer shavings, calculated monthly as the sum of each consecutive 12-month period, shall not exceed values that will allow the following equation to hold true:

$$(X) \times (91,500 \text{ BTU/gal}) + (Y) \times (8,000 \text{ BTU/lb}) \leq 2.47 \times 10^{11} \text{ BTU/yr}$$

where X= number of gallons of propane burned during any 12-month period
 Y= number of lbs of wood planer shavings burned during any 12-month period

Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-1180)

18. **Fuel** - The approved fuel for the 220-ft drying kiln (DK-4) is bark/sawdust. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-1180)
19. **Fuel Throughput** – The 220-ft kiln (DK-4) shall consume no more than 287,000 MMBtus of bark/sawdust per year, calculated monthly as the sum of each consecutive 12-month period. The net heat content of the bark/sawdust to the 220-ft kiln (DK-4) shall be calculated monthly based on an assumed average annual heat content of 4,300 Btu/lb (unless actual net heat content is determined using a DEQ-approved method). Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-1180)
20. **Fuel** - The LPG, wood planer shavings and fines shall meet the specifications below:
- LPG, including butane and propane, which meets ASTM specification D1835. Average annual heat content: 91,500 Btu/gal.
- WOOD PLANER SHAVINGS AND FINES, excluding any wood that contains chemical treatments that would generate hazardous air pollution upon combustion or has affixed thereto paint and/or finishing materials or paper or plastic laminates. Wood treated with ACQ (alkaline copper quat), which is produced at this facility, is acceptable as it is a pressure treated wood product containing no hazardous ingredients.
Average annual heat content: 8,000 Btu/lb HHV as determined by ASTM D2015 or DEQ-approved equivalent method
(9 VAC 5-80-1180)

EMISSION LIMITS

21. **Process Emission Limits** - Emissions from the operation of the 68-ft drying kiln (DK-2) shall not exceed the limits specified below:
- | | |
|--|------------|
| Particulate Matter (PM) | 0.8 lbs/hr |
| PM-10
(including condensable) | 0.8 lbs/hr |
| Sulfur Dioxide | 0.4 lbs/hr |
| Nitrogen Oxides
(as NO ₂) | 7.4 lbs/hr |
| Carbon Monoxide | 9.0 lbs/hr |

Volatile Organic Compounds (as carbon)	13.9 lbs/hr
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Lead 0.001 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 16 and 20.
(9 VAC 5-80-1180 and 9 VAC 5-50-260)

22. **Process Emission Limits** - Emissions from the operation of the 68-ft drying kiln (DK-3) shall not exceed the limits specified below:

Particulate Matter (PM)	1.4 lbs/hr
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PM-10	1.4 lbs/hr
(including condensable)	

Sulfur Dioxide	0.6 lbs/hr
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Nitrogen Oxides (as NO ₂)	12.3 lbs/hr
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Carbon Monoxide	15.0 lbs/hr
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Volatile Organic Compounds 23.1 lbs/hr

Lead 0.001 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 16 and 20.
(9 VAC 5-80-1180 and 9 VAC 5-50-260)

23. **Process Emission Limits** - Emissions from the operation of the 220-ft drying kiln (DK-4) from fuel burning and drying shall not exceed the limits specified below:

Particulate Matter (PM)	2.7 lbs/hr
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PM-10	2.2 lbs/hr
(including condensable)	

PM-2.5 (including condensable)	2.0 lbs/hr
Sulfur Dioxide	1.0 lbs/hr
Nitrogen Oxides (as NO ₂)	2.4 lbs/hr
Carbon Monoxide	22.8 lbs/hr
Volatile Organic Compounds (as carbon)	68.4 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 12 and 19.
 (9 VAC 5-80-1180 and 9 VAC 5-50-260)

24. **Process Emission Limits** – Combined emissions from the operation of the two 68-ft kilns (DK-2 and DK-3) shall not exceed the limits specified below:

Particulate Matter (PM)	7.0 tons/yr
PM-10 (including condensable)	7.0 tons/yr
Sulfur Dioxide	3.1 tons/yr
Nitrogen Oxides (as NO ₂)	60.5 tons/yr
Carbon Monoxide	74.1 tons/yr
Volatile Organic Compounds	114.2 tons/yr
Lead	0.005 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 11, 16, 17, and 20.
 (9 VAC 5-80-1180 and 9 VAC 5-50-260)

25. **Process Emission Limits** – Emissions from the operation of the 220-ft kiln (DK-4) shall not exceed the limits specified below:

Particulate Matter (PM)	10.2 tons/yr
PM-10 (including condensable)	8.2 tons/yr
PM-2.5 (including condensable)	7.5 tons/yr
Sulfur Dioxide	3.6 tons/yr
Nitrogen Oxides (as NO ₂)	8.9 tons/yr
Carbon Monoxide	86.1 tons/yr
Volatile Organic Compounds (as carbon)	258.1 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 6, 7, 9, 12, 18, and 19.
 (9 VAC 5-80-1180 and 9 VAC 5-50-260)

26. **Process Emission Limits** - Emissions from the operation of the planing and chipping operations (W-2 lower chipper and W-3 Planing) as emitted through the cyclones, shall not exceed the limits specified below:

PM	0.05 gr/dscf	18.0 lbs/hr	20.4 tons/yr
PM-10 (including condensable)		9.0 lbs/hr	10.2 tons/yr
PM-2.5 (including condensable)		4.5 lbs/hr	5.1 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 13, and 14.
 (9 VAC 5-80-1180 and 9 VAC 5-50-260)

27. **Process Emission Limits** - Emissions from the operation of the paint spray booth (SB-1) shall not exceed the limits specified below:

Volatile Organic Compounds	3.2 lbs/hr	5.4 tons/yr
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These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 2 and 15.

(9 VAC 5-80-1180 and 9 VAC 5-50-260)

28. **Facility wide Emission Limits** - Total emissions from the permitted units at this lumber processing facility shall not exceed the limits specified below:

PM	37.8 tons/yr
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PM-10 (including condensable)	25.6 tons/yr
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PM-2.5 (including condensable)	12.6 tons/yr
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Sulfur Dioxide	6.7 tons/yr
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Nitrogen Oxides (as NO ₂)	69.5 tons/yr
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Carbon Monoxide	160.2 tons/yr
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Volatile Organic Compounds	377.7 tons/yr
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These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1 through 9, and 11 through 20.

(9 VAC 5-80-1180 and 9 VAC 5-50-260)

29. **Visible Emission Limit** - Visible emissions from the two 68-ft drying kilns (DK-2, DK-3) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-1180)

30. **Visible Emission Limit** - Visible emissions from the 220-ft drying kiln (DK-4), as emitted from the ESP stack, shall not exceed 10 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times.
(9 VAC 5-80-1180)
31. **Visible Emission Limit** - Visible emissions from the woodworking (W-2 and W-3), as emitted by the cyclones, shall not exceed 10 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-1180)

RECORDS

32. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Piedmont Regional Office. These records shall include, but are not limited to:
- a. Monthly and annual processing of lumber through the kilns (DK-2, DK-3), in million board feet, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - b. Monthly and annual processing of lumber through the 220-ft kiln (DK-4), in million board feet, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - c. Monthly and annual throughput of propane to the kilns (DK-2, DK-3), in gallons, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - d. Monthly and annual throughput of planer shavings to the kilns (DK-2, DK-3), in pounds, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - e. Monthly and annual throughput of bark/sawdust to the 220-ft kiln (DK-4), in MMBtu heat value, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by

- adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
- f. Monthly and annual quantity of concentrated paint used in the painting operation SB-1, in gallons, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - g. Monthly and annual processing of chipped wood by the Lower Chipper (W-2), in tons, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - h. Monthly and annual throughput of lumber to the planning area (W-3), in million board feet, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - i. Material Safety Data Sheets (MSDS) showing VOC content for each paint purchased for use in the painting operation SB-1.
 - j. Results of all stack tests, visible emission evaluations, and performance evaluations.
 - k. Operation and control device monitoring records for the cyclones and ESP as required in Conditions 5 and 9.
 - l. Vendor information on NOx emission factor for 220-ft kiln (DK-4).
 - m. Scheduled and unscheduled maintenance and operator training.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-80-1180 and 9 VAC 5-50-50)

NOTIFICATIONS

33. **Initial Notifications** - The permittee shall furnish written notification to the Piedmont Regional Office of:
- a. The actual date on which construction of the 220-ft kiln (DK-4) commenced within 30 days after such date.

- b. The anticipated start-up date of the 220-ft kiln (DK-4) postmarked not more than 60 days nor less than 30 days prior to such date.
- c. The actual start-up date of the 220-ft kiln (DK-4) within 15 days after such date.
- d. The anticipated date of performance tests of the 220-ft kiln (DK-4) postmarked at least 30 days prior to such date.

(9 VAC 5-50-50 and 9 VAC 5-80-1180)

GENERAL CONDITIONS

34. **Permit Invalidation** - This permit to construct the 220-ft kiln (DK-4) shall become invalid, unless an extension is granted by the DEQ, if:
- a. A program of continuous construction is not commenced within 18 months from the date of this permit.
 - b. A program of construction is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of the phased construction of a new stationary source or project.

(9 VAC 5-80-1210)

35. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:
- a. Knowingly makes material misstatements in the permit application or any amendments to it;
 - b. Fails to comply with the conditions of this permit;
 - c. Fails to comply with any emission standards applicable to a permitted emissions unit;
 - d. Causes emissions from the stationary source which result in violations of, or interfere with the attainment and maintenance of, any ambient air quality standard; or
 - e. Fails to operate in conformance with any applicable control strategy, including any emission standards or emissions limitations, in the State Implementation Plan in effect at the time an application for this permit is submitted.

(9 VAC 5-80-1210 G)

36. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
- c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
- d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.
(9 VAC 5-170-130 and 9 VAC 5-80-1180)

37. **Maintenance/Operating Procedures** - At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment that affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-50-20 E and 9 VAC 5-80-1180 D)

38. **Record of Malfunctions** - The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.
(9 VAC 5-20-180 J and 9 VAC 5-80-1180 D)
39. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Piedmont Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour. Such notification shall be made no later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within 14 days of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Piedmont Regional Office.
(9 VAC 5-20-180 C and 9 VAC 5-80-1180)
40. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.
(9 VAC 5-20-180 I and 9 VAC 5-80-1180)
41. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current minor NSR permit issued to the previous owner. The new owner shall notify the Piedmont Regional Office of the change of ownership within 30 days of the transfer.
(9 VAC 5-80-1240)
42. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.
(9 VAC 5-80-1180)